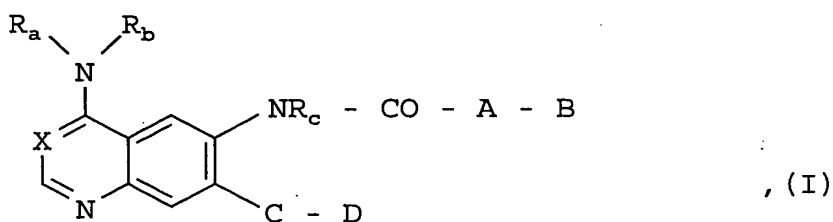


Abstract

The present invention relates to bicyclic heterocycles of general formula



wherein

R<sub>a</sub> to R<sub>c</sub>, A to E and X are defined as in claim 1, the tautomers, the stereoisomers and the salts thereof, particularly the physiologically acceptable salts thereof with inorganic or organic acids or bases, which have valuable pharmacological properties, particularly an inhibitory effect on signal transduction mediated by tyrosinekinases, the use thereof for treating diseases, particularly tumoral diseases, diseases of the lungs and respiratory tract, and the preparation thereof.